

AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph appearing at page 5, line 28, through page 6, line 5, and substitute the below amended paragraph therefor:

A1 In accordance with the present invention, lower cost and efficiency are obtained by operating systems such as shown in Figures 2 and 3 over Ethernet and Voice over Internet Protocol networks. For example, each prison in a state wide prison system has Commander™ units such as shown in Figure 3. There may be a thousand phones but all of the phones are connected through Commander™ systems over Voice over Internet Protocol network. Often large administrative systems such as this have existing data networks which process and transmit e-mail and the like. Providing a control computer such as the Commander™ with a VoIP ~~gatekeeper~~ gateway and Ethernet capability allows the public telephone systems at various sites to be integrated into the data network easily.

Please delete the paragraph appearing at page 7, lines 1-6, and substitute the below amended paragraph therefor:

A2 Figure 6B shows modifications to the control computer to provide VoIP and data network capability wherein VoIP gateway 26a and voice compressor and packetizer 58 have been added to produce compressed data packets from the telephony signals. These are the principal functions of the VoIP Gateway 26. The packets are processed in the Ethernet network interface 60 so that they can be applied through the WAN 18, or a LAN, to the VoIP Gateway 26a. The telephone signals are decompressed and depacketized by VoIP gateway 26a and distributed to a public switch. Preferably, three way call detection is performed at this point by three way call detect system 30a.